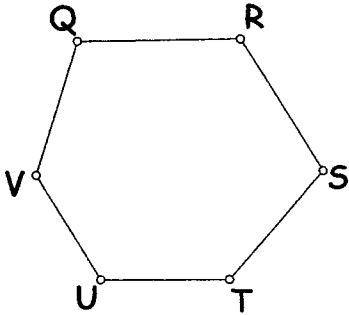


## POLYGONS

1. Name the following hexagon every possible way.



2. How many degrees(total) are inside a 15-gon?
3. How many total interior degrees are in a 100-gon?
4. Quadrilateral ABCD has  $m\angle A = 14^\circ$ ,  $m\angle B = 110^\circ$ ,  $m\angle C = 113^\circ$ . What is  $m\angle D$ ?
5. Octagon NOPQRSTU has  $m\angle N = m\angle T = 130^\circ$ ,  $m\angle O = 120^\circ$   
 $m\angle P = m\angle Q = 85^\circ$ ,  $m\angle R = 172^\circ$ ,  $m\angle S = 179^\circ$ .  
What is  $m\angle U$ ?
6. How many degrees are in each angle of a regular 32-gon?
7. How many degrees are in each angle of a regular 50-gon?

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**Bonus:** Each angle of a regular polygon measures  $156^\circ$ .  
How many sides does the polygon have?